


GODDARD SPACE FLIGHT CENTER		TASK ORDER (Instructions and Distribution on Reverse)		PAGE 1 OF 1
1. CONTRACTOR: SSAI	2. CONTRACT NO.: NNG12HP08C	3. TASK/REVISION NO.: Task Order #048		
4. JOB ORDER NO./PROJECT:	5. FLIGHT HARDWARE /SOFTWARE; CRITICAL GSA (IF, YES, OBTAIN BLOCK 16 CONCURRENCE): YES <input checked="" type="checkbox"/> NO	6. DESIGNATED FLIGHT ASSURANCE MGR.:		
7. DESCRIPTION OF WORK TO BE PERFORMED (OBJECTIVES OR RESULTS DESIRED): MODIS/eMAS cloud retrieval programming development and support				
8. TASK DOCUMENTATION REQUIREMENTS/DELIVERABLE ITEMS: (See Attached Task Order)				
9. PERFORMANCE/MILESTONE SCHEDULE: May 1, 2015 – April 30, 2016				
10. QUALITY ASSURANCE REQUIREMENTS: N/A				
11. TRAVEL, MATERIALS, ETC., KNOWN TO BE REQUIRED: (See Attached Task Order)				
12. OTHER (FUNDING, NTE, HOURS, ETC.): Total Cost: Fee: Total Price: \$142,418				
13. TASK ORIGINATOR/MONITOR/CODE/PHONE: Steven Platnick/610.0/4-5636		18. THIS TASK ORDER IS ISSUED PURSUANT TO THE TERMS OF THE CONTRACT.		
14. BRANCH APPROVAL:	15. DIVISION CONCURRENCE:	 CONTRACTING OFFICER'S SIGNATURE/ DATE Ayana A. Briscoe Ayana A. Briscoe Contracting Officer TYPED OR PRINTED NAME		
16. CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE: Joel Susskind				
17. CONTRACTOR SIGNATURE:				

Science Systems and Applications, Inc.
NNG12HP08C
Task Order Statement of Work

Task Order Number: CY4_048_Rev0

Task Order Title: MODIS/eMAS cloud retrieval programming development and support

1.0 Task Monitor (TM):

Name: Steven Platnick
Organization: 610: Earth Sciences Division
Email Address: steven.e.platnick@nasa.gov

2.0 Description of Work to be Performed

Assist in development and maintenance of imager-based retrieval algorithm code in support of operational and research-oriented cloud retrieval studies. In particular:

- Integrate and maintain research-level cloud retrieval code for comparison with operational MODIS code and development of new algorithms for other platforms including the enhanced MODIS Airborne Simulator (eMAS) and the NPP VIIRS sensor.
- Evaluate existing multi-layer cloud detection algorithm, and algorithm development for above-cloud precipitable water vapor retrievals.
- Provide programming support and consultation to Cloud Retrieval Group.
- Maintain and update MODIS and MAS HDF based input/output modules, and MODIS Metadata.
- Maintain atmospheric correction generation codes for water vapor and gaseous absorbers in the atmosphere above clouds.
- General data analysis and visualization to support MODIS cloud retrieval group efforts.

3.0 Special Requirements

None

4.0 Performance/Milestone Schedule

The SAS Contract Year 4 POP is May 01, 2015 - April 30, 2016

5.0 Deliverables/Reporting Requirements

- Contributions to scientific publications, workshops/conferences/symposia, both oral presentations and written contributions.
- Quarterly and annual reports.
- Delivery and availability of quality-controlled datasets and web-based material.
- Software and hardware documentation.

- Reports documenting participation in conferences, workshops, symposia, working groups and field activities.

6.0 Other Information Needed for Performance of Task

Local and domestic travel will be required for the Annual MODIS Science Team Meetings and the Annual field Campaign science meetings.

7.0 Data Rights

N/A

8.0 Safety

Staff on this task shall comply with federal, state, local, and center safety regulations. This shall be accomplished through management emphasis, technical training, and personal responsibility. Staff shall participate in safety orientation and training in accordance with the contract Safety and Health Plan, and work within the requirements of that plan.

9.0 Risk

Contractor shall provide ongoing risk assessment and mitigation in performance of the Task Order. Priorities shall be re-evaluated as appropriate with the TM. Cost and schedule performance shall be assessed on a regular basis (no less frequently than monthly) and significant variations discussed and acted on in consultation with the TM and COR.

10.0 Proposed Cost and Fixed Fee

In accordance with Paragraph B.8 of the contract, propose the Cost and Fixed Fee amount.